





ENAFL	Encryption Challenge
Challenges	Causes
NFOSEC	
Data Security	Assuring encryption is used where needed for data in transit and at rest across highly distributed environments
Key Security	Implementing effective key management processes in spite of operational requirements, application constraints, and other organizational factors
Enforceability	No ability to measure, prove or enforce compliance with policies
nfoSec Agility	Potentially high risk exposure from limited pace of encryption adoption/deployment
Audit Readiness	Responding to compliance audits is resource intensive, expensive
T OPS	
Operational Efficiency	Managing encryption keys and certificates manually; reacting to incidents and emergencies.
System Availability	Unexpected certificate expiration causing critical system downtime and outages.
Reputational Risk	Losing customers, missing transactions, unnecessary human interaction, brand erosion
Business Continuity/ Disaster Recovery	Insufficient disaster recovery plans to respond rapidly to catastrophic encryption failures, including intermediate root expirations, CA compromises, and broken algorithms.
Sourcing Costs	Ad hoc distributed certificate acquisition
Best Practices	No ability to enforce and demonstrate adherence to best practices (i.e., ITIL)
PRIVACY	
Brand Risk Reduction	Brand impacting disclosures due to loss of customer and employee data
Safe Harbor Coverage	Inability to enforce policies that leverage safe harbors























